

FIG. 1

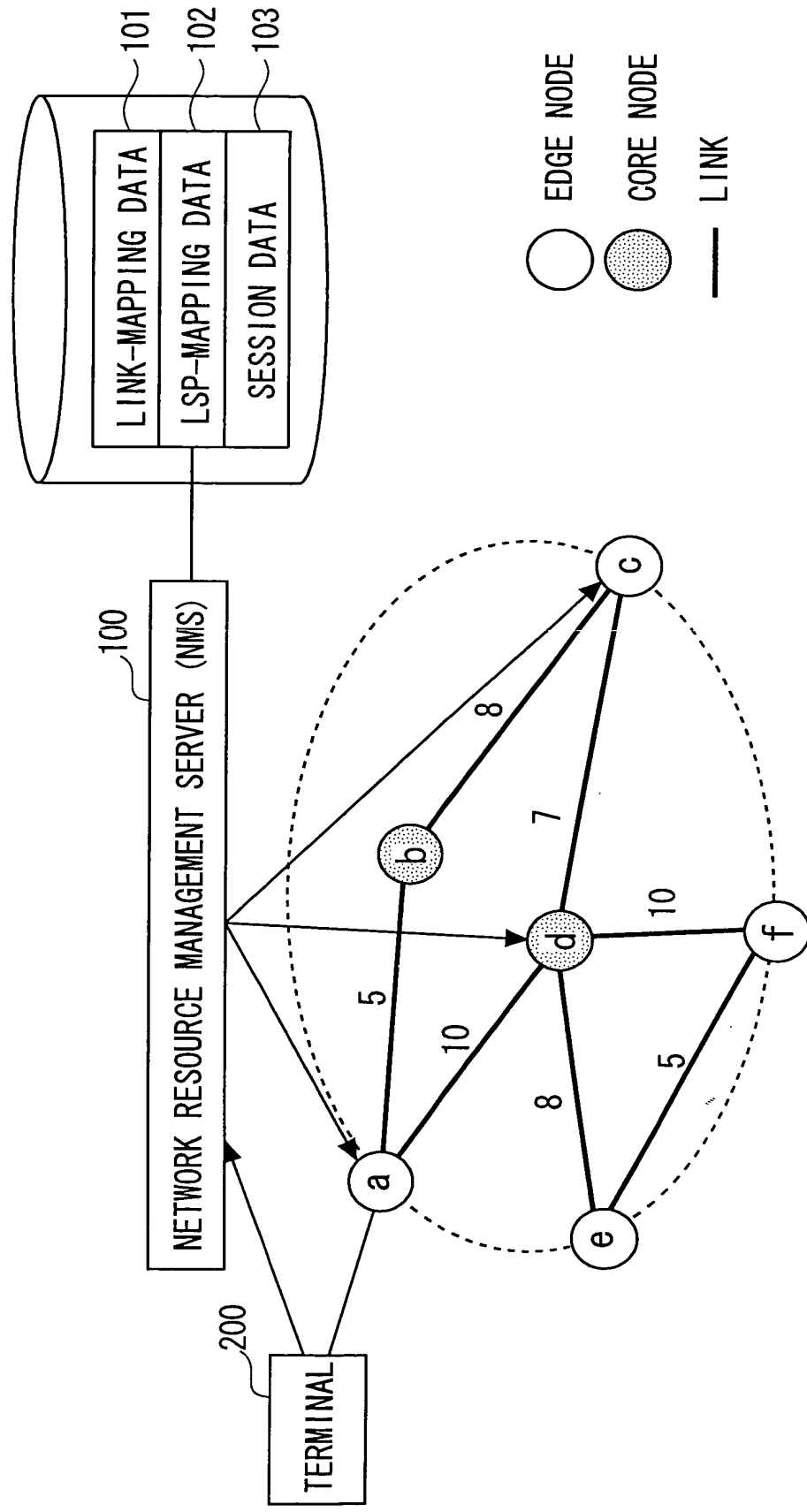


FIG. 2

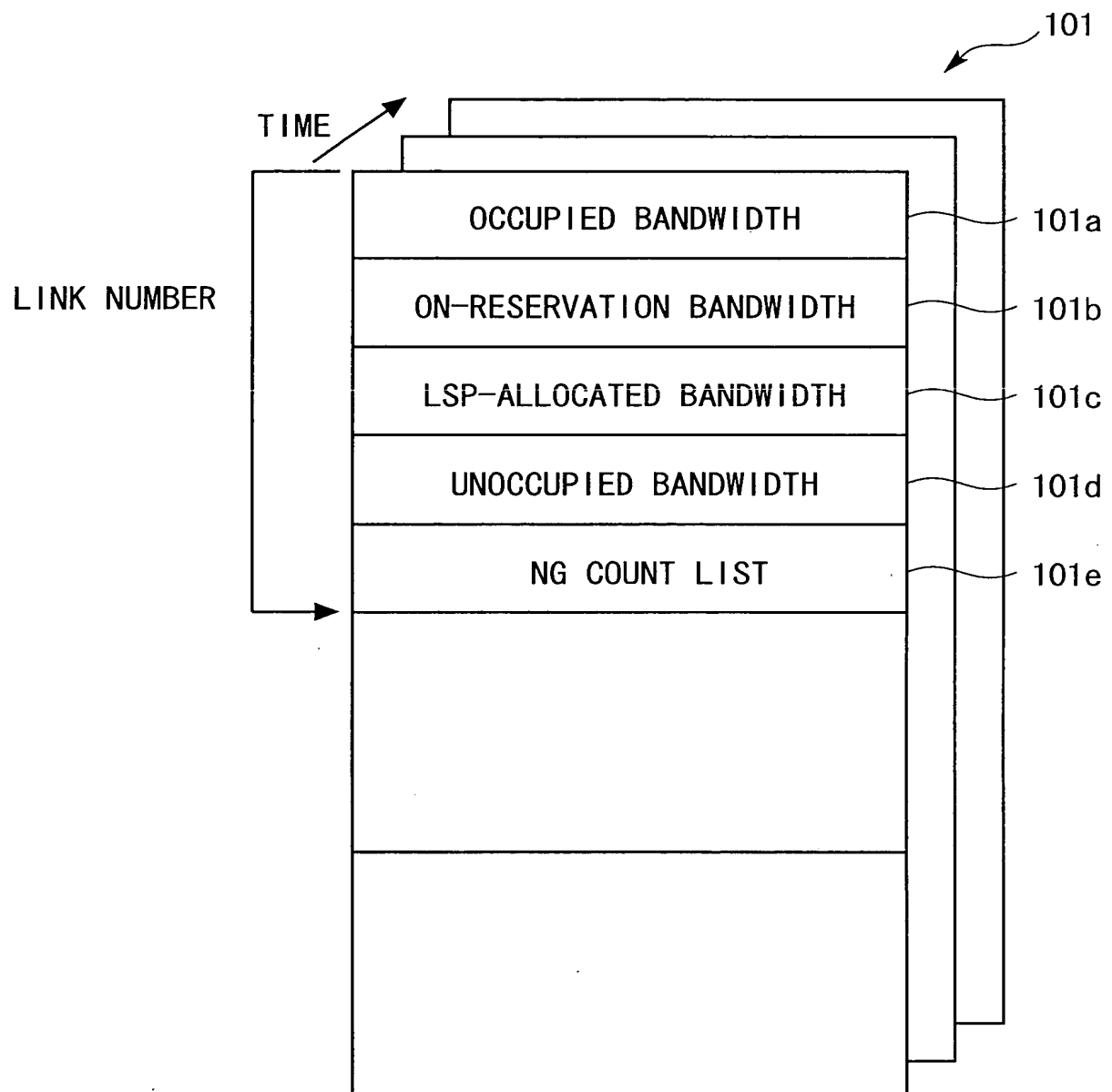


FIG. 3

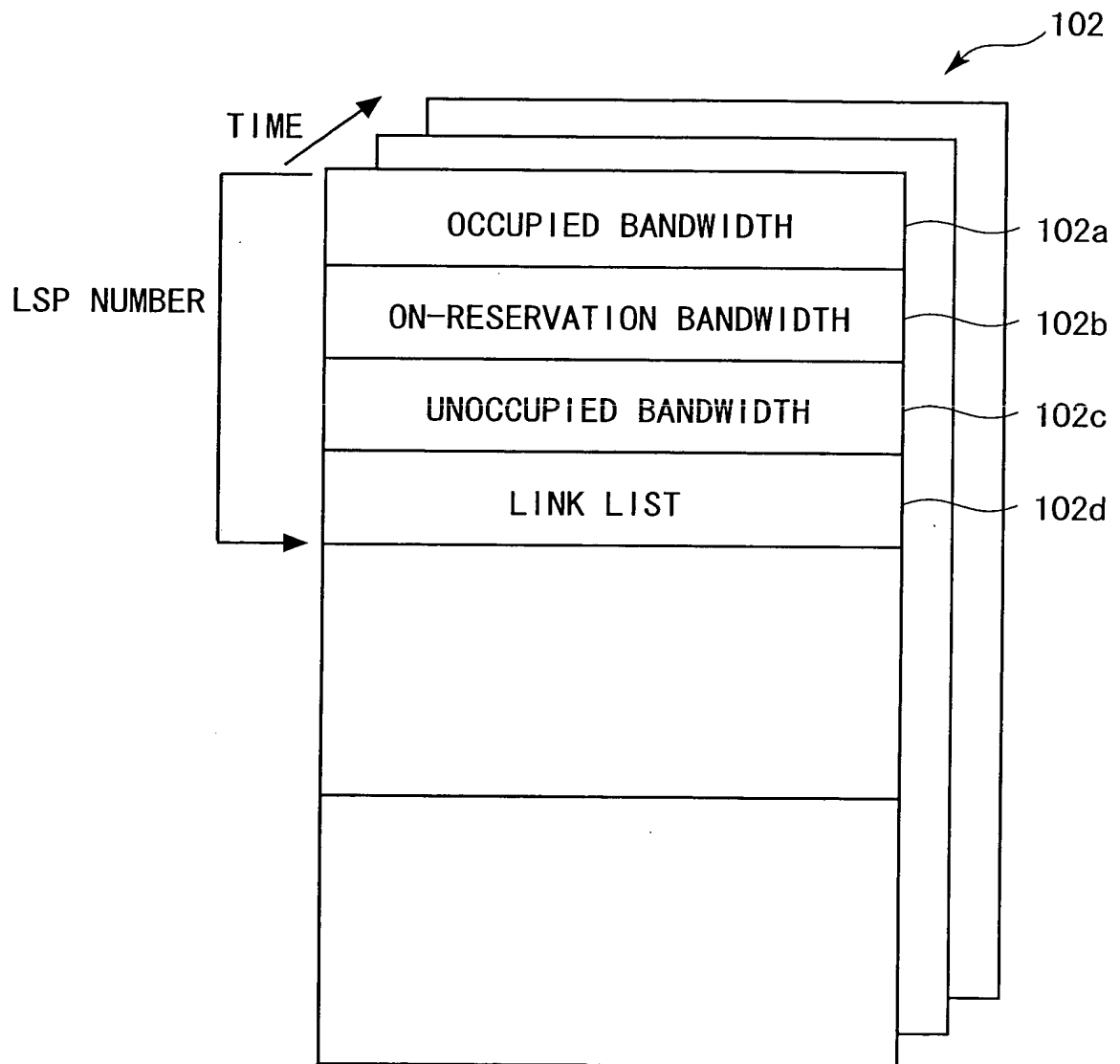


FIG. 4

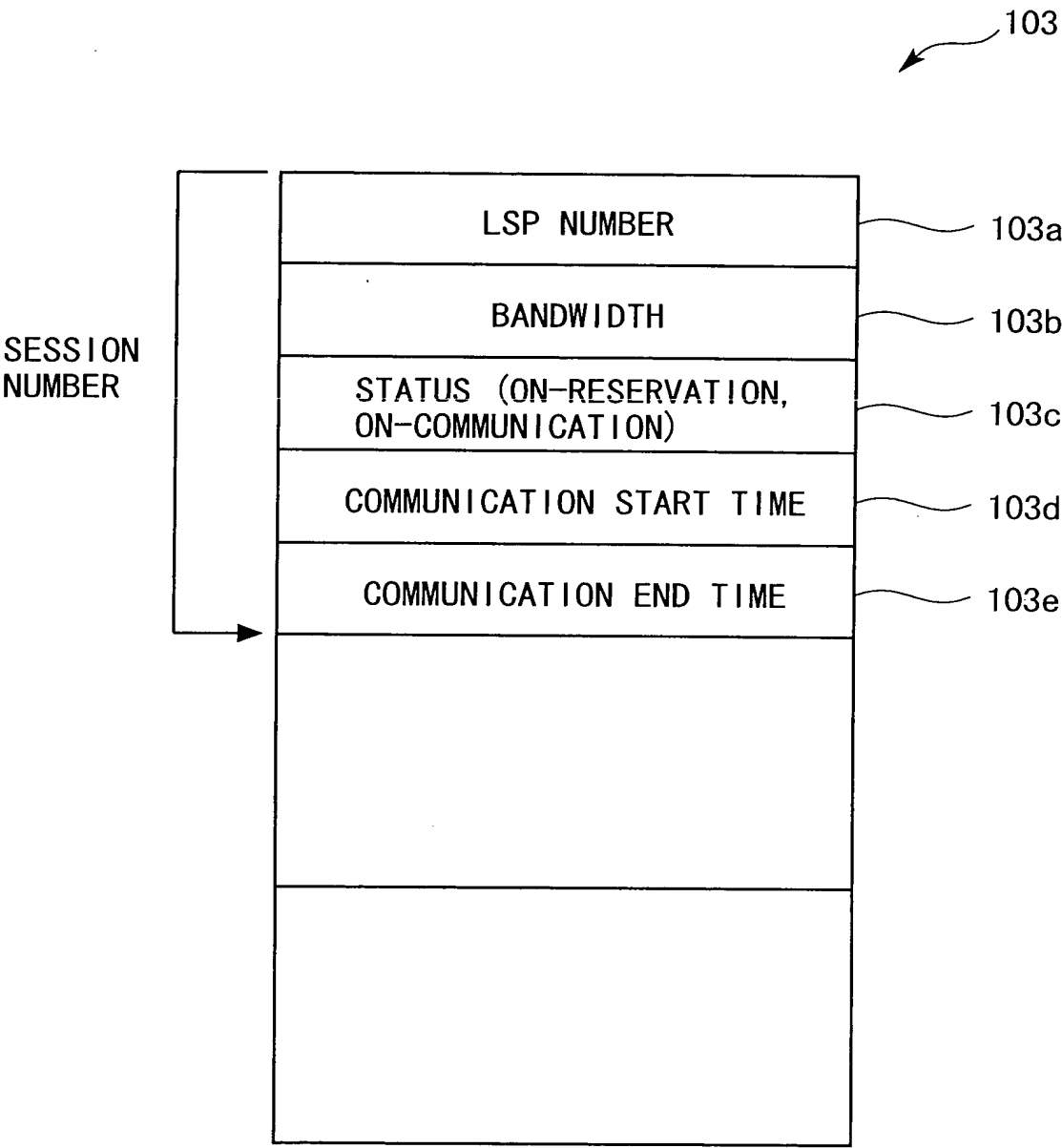


FIG. 5

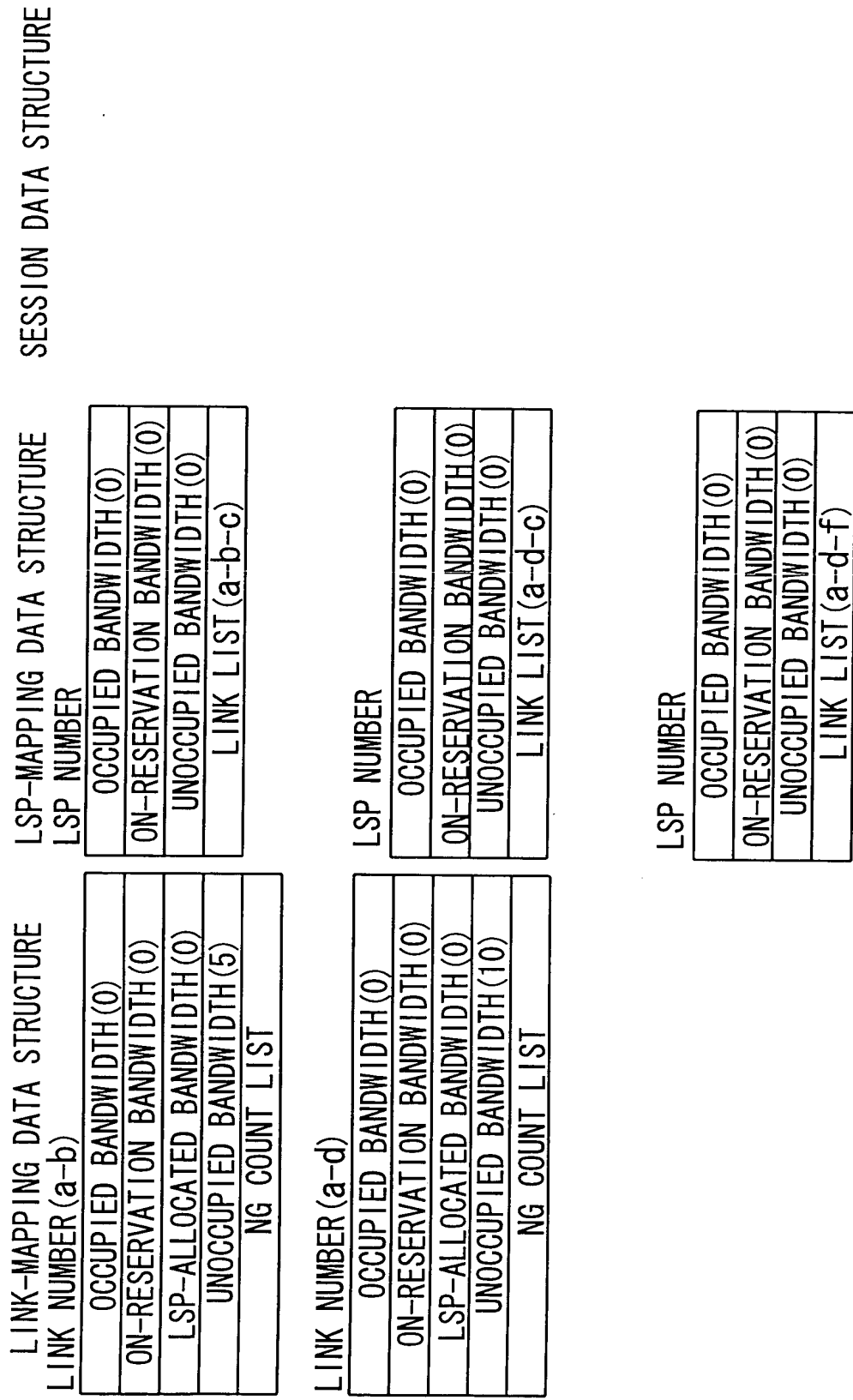


FIG. 6

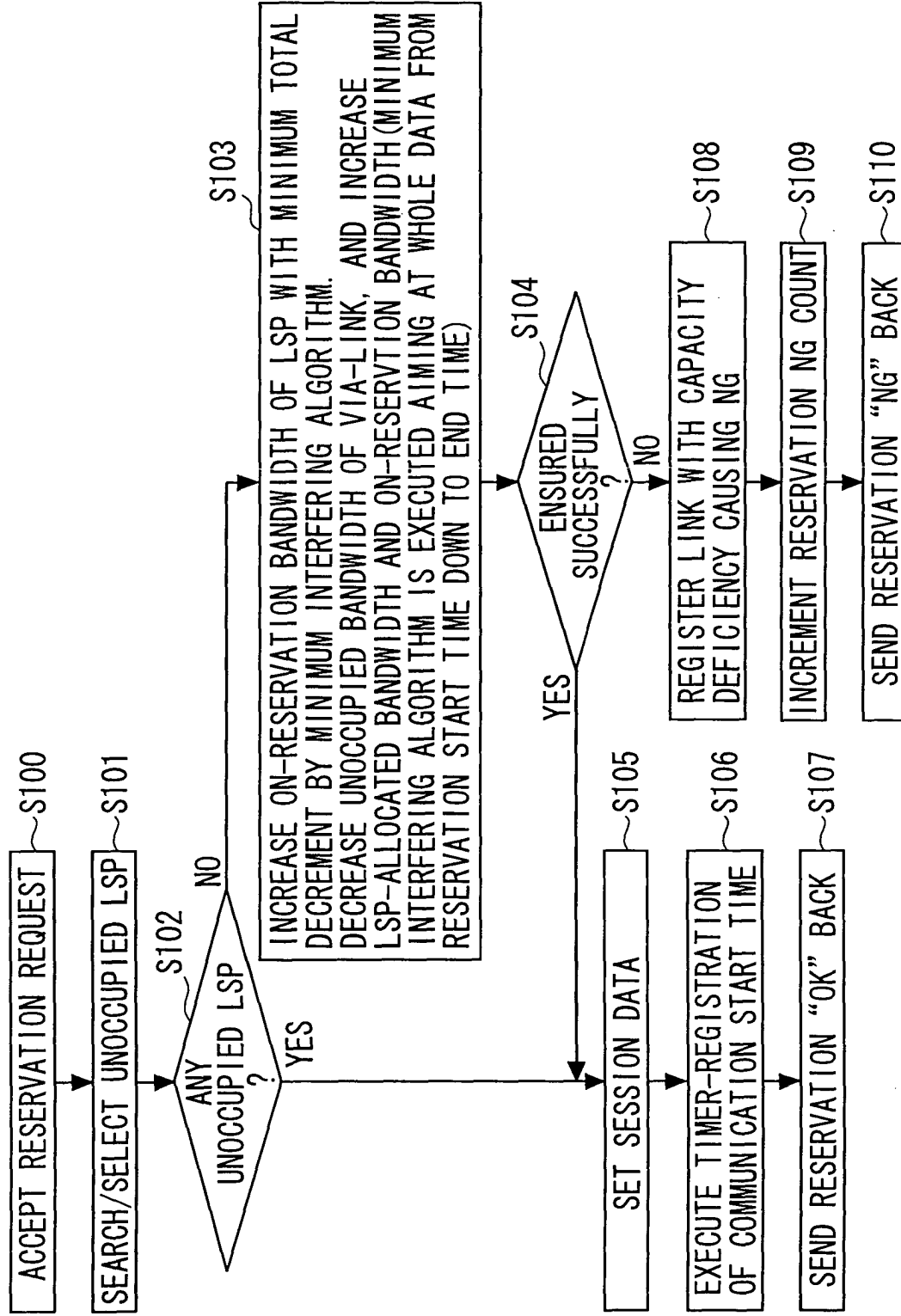


FIG. 7

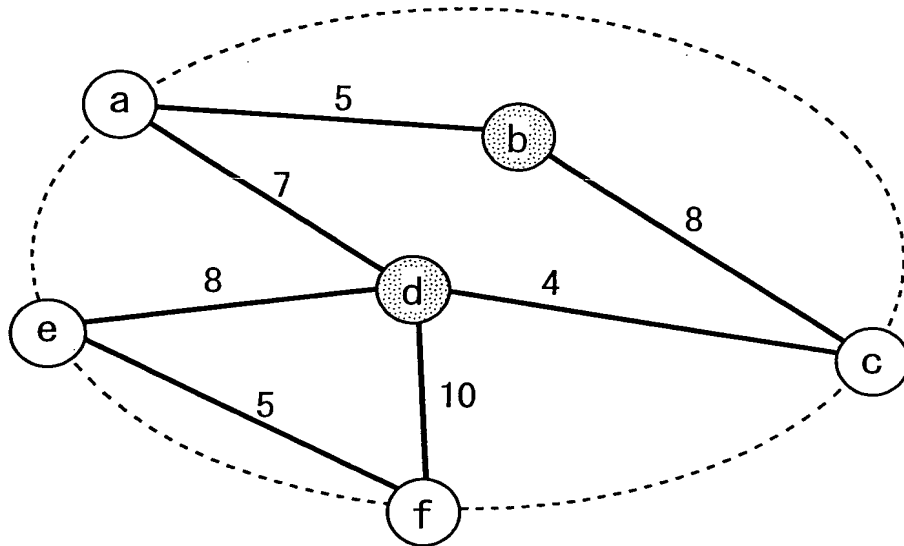


FIG. 8

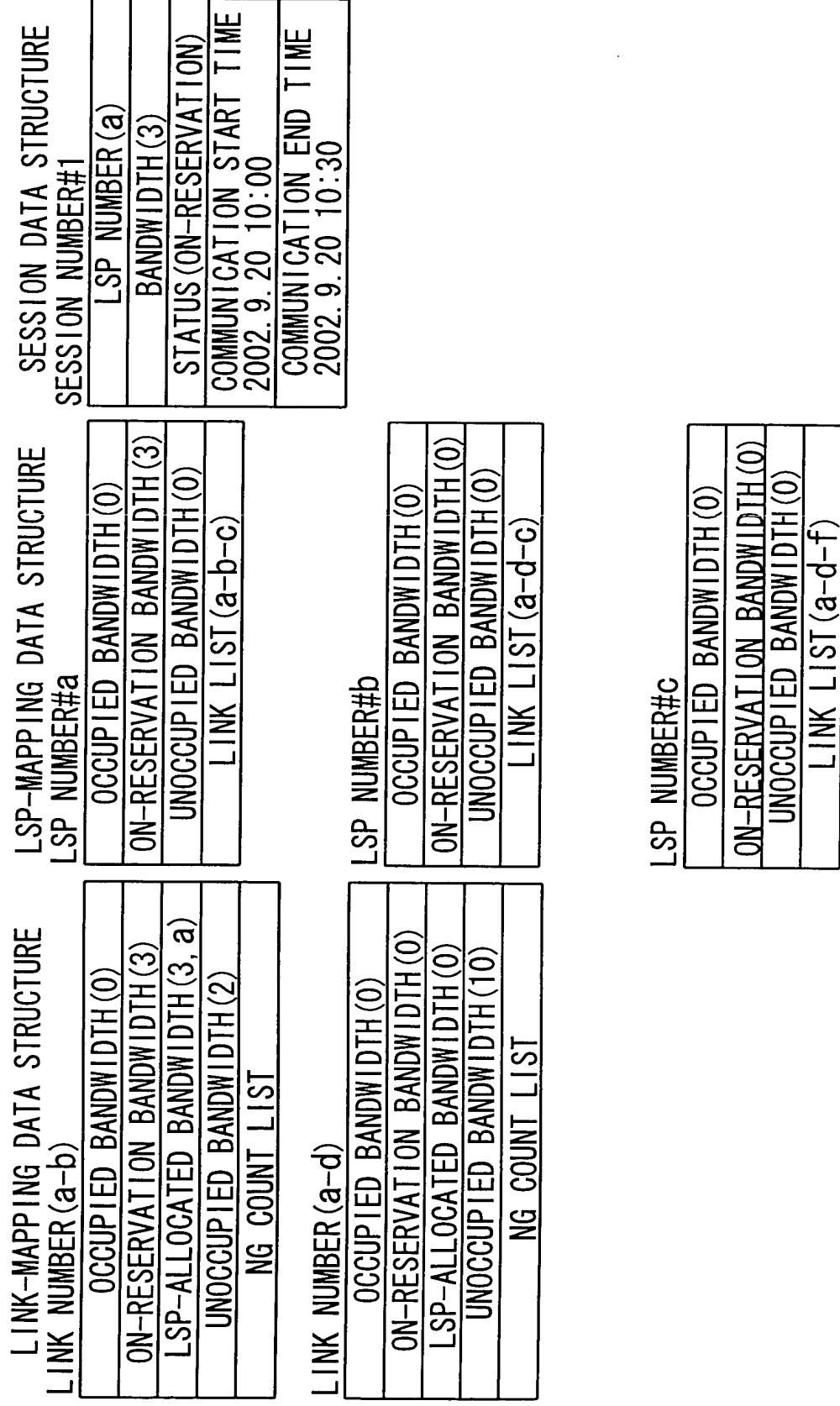


FIG. 9

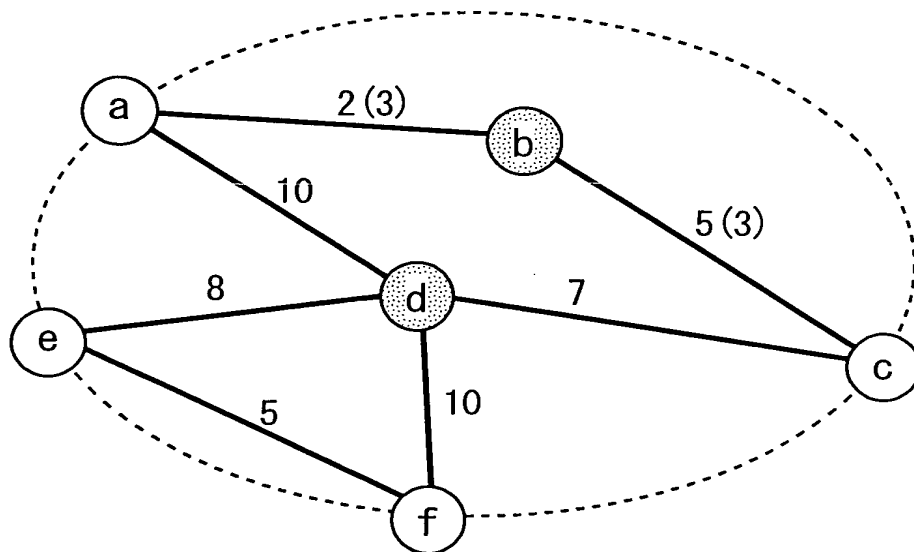


FIG. 10

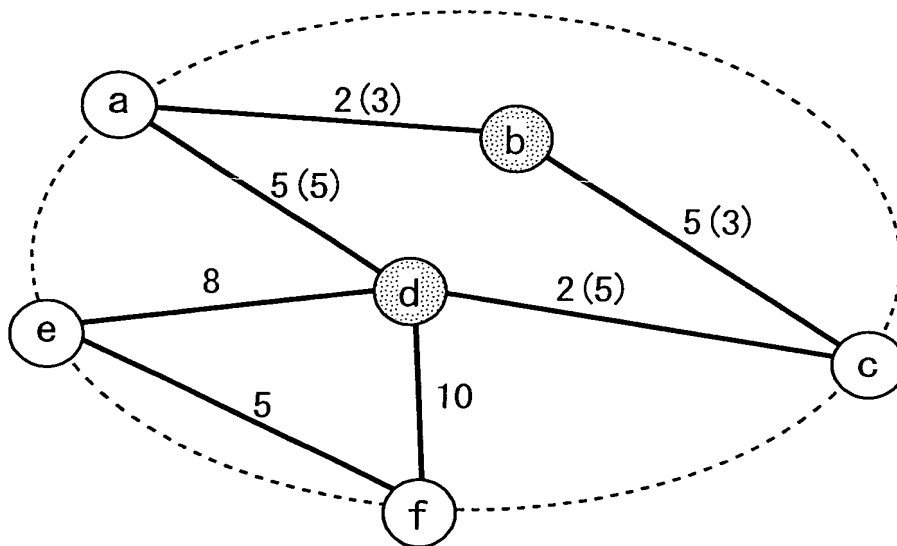


FIG. 11

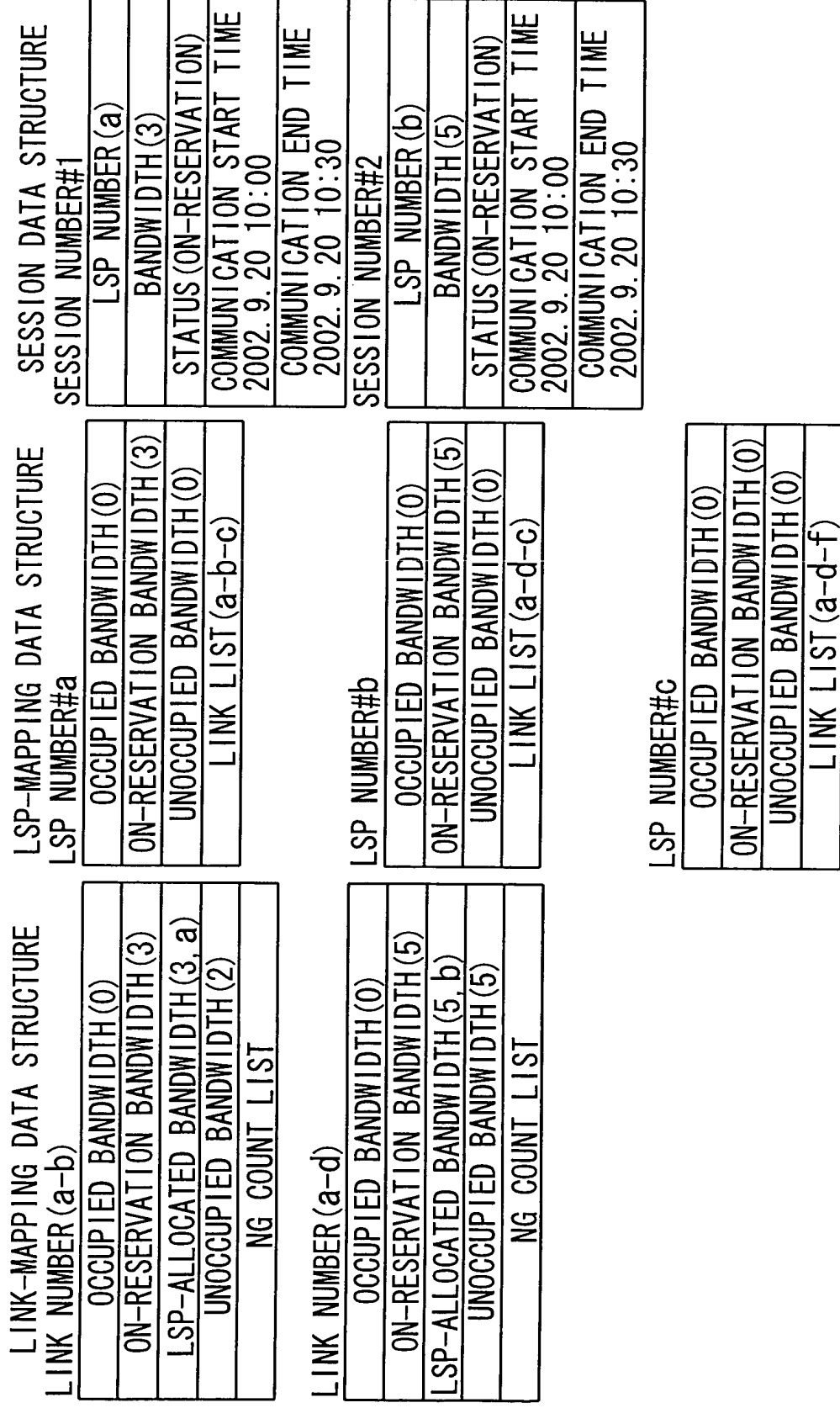


FIG. 12

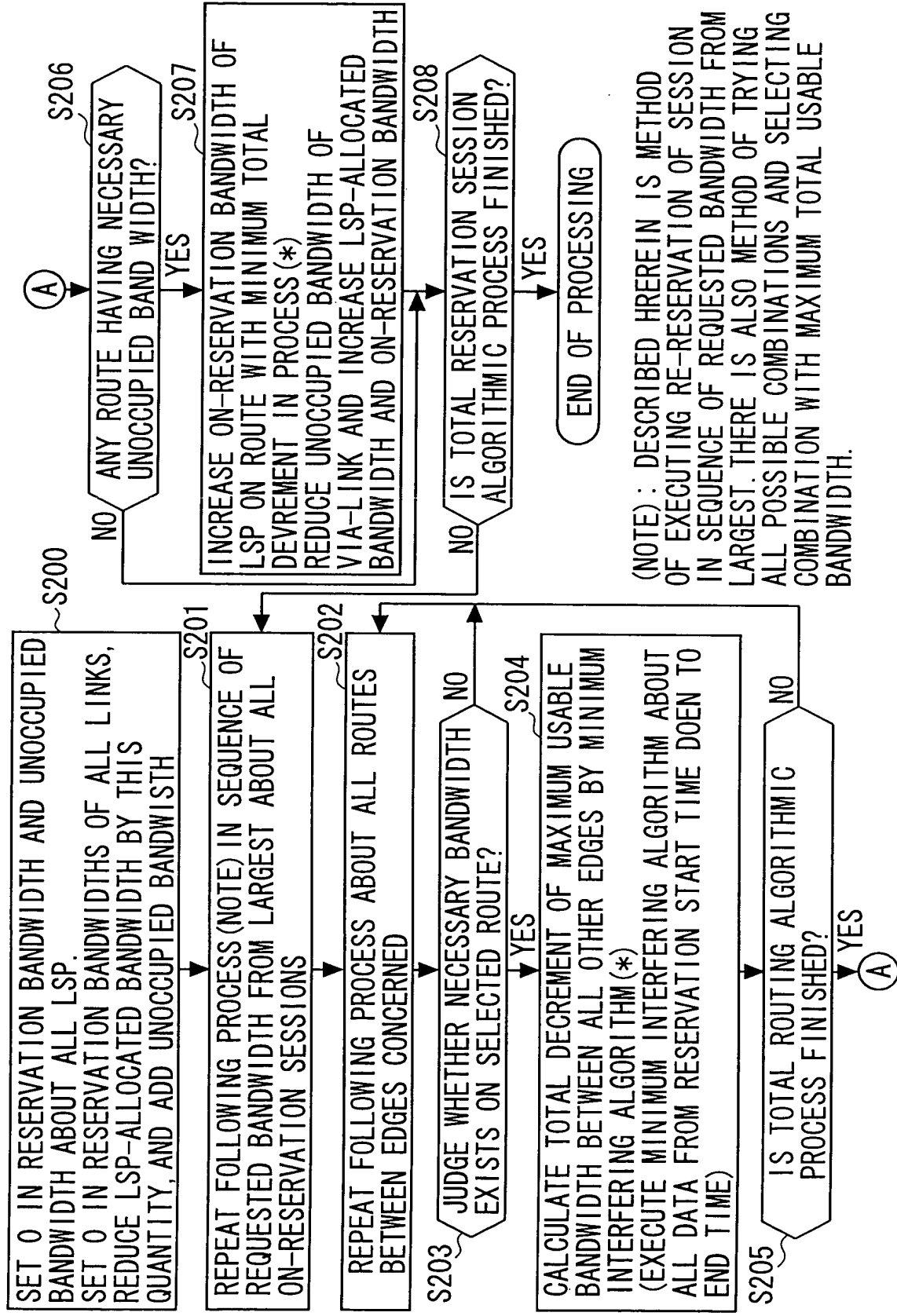


FIG. 13

RESOURCE RESERVATION NG COUNT

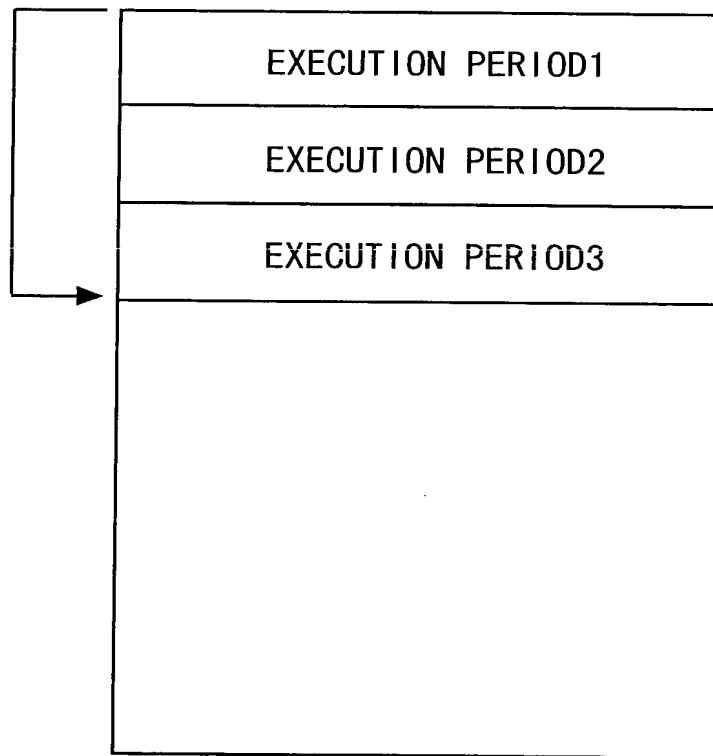


FIG. 14

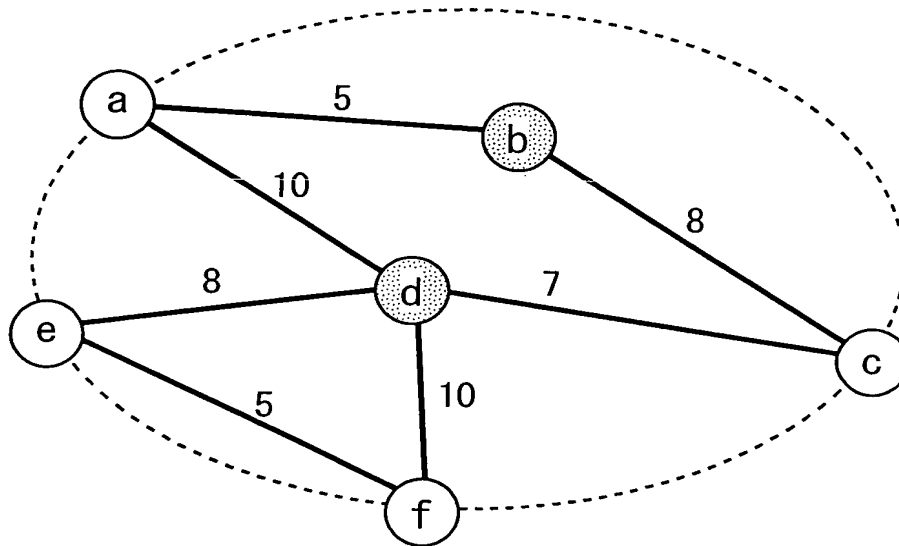


FIG. 15

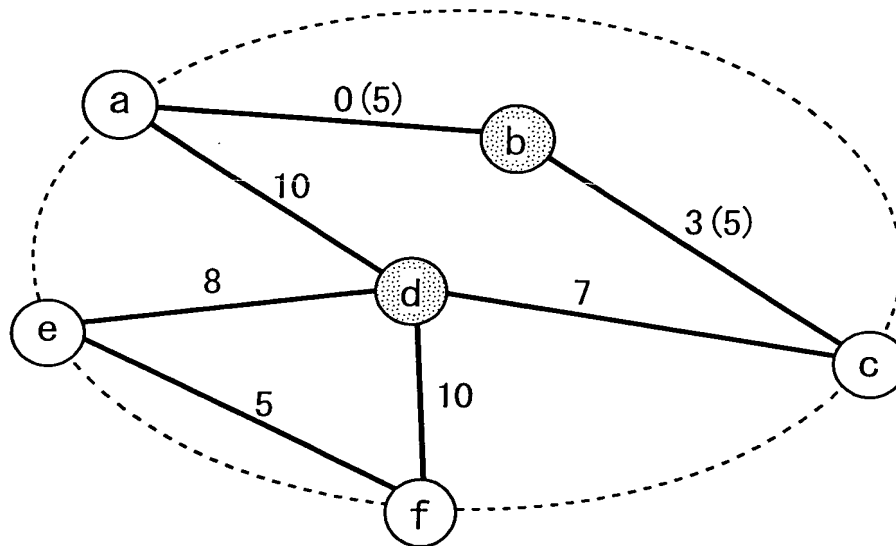


FIG. 16

LINK-MAPPING DATA STRUCTURE
LINK NUMBER (a-b)

OCCUPIED BANDWIDTH(0)
ON-RESERVATION BANDWIDTH(0)
LSP-ALLOCATED BANDWIDTH(0)
UNOCCUPIED BANDWIDTH(5)
NG COUNT LIST

LINK NUMBER (a-d)

OCCUPIED BANDWIDTH(0)
ON-RESERVATION BANDWIDTH(0)
LSP-ALLOCATED BANDWIDTH(0)
UNOCCUPIED BANDWIDTH(10)
NG COUNT LIST

LSP-MAPPING DATA STRUCTURE
LSP NUMBER#a

OCCUPIED BANDWIDTH(0)
ON-RESERVATION BANDWIDTH(0)
UNOCCUPIED BANDWIDTH(0)
LINK LIST (a-b-c)

LSP NUMBER#b

OCCUPIED BANDWIDTH(0)
ON-RESERVATION BANDWIDTH(0)
UNOCCUPIED BANDWIDTH(0)
LINK LIST (a-d-c)

LSP NUMBER#c

OCCUPIED BANDWIDTH(0)
ON-RESERVATION BANDWIDTH(0)
UNOCCUPIED BANDWIDTH(0)
LINK LIST (a-d-f)

SESSION DATA STRUCTURE
SESSION NUMBER#1

LSP NUMBER(*)
BANDWIDTH(3)
STATUS (ON-RESERVATION)
COMMUNICATION START TIME 2002. 9. 20 10:00
COMMUNICATION END TIME 2002. 9. 20 10:30

SESSION NUMBER#2

LSP NUMBER(*)
BANDWIDTH(5)
STATUS (ON-RESERVATION)
COMMUNICATION START TIME 2002. 9. 20 10:00
COMMUNICATION END TIME 2002. 9. 20 10:30

FIG. 17

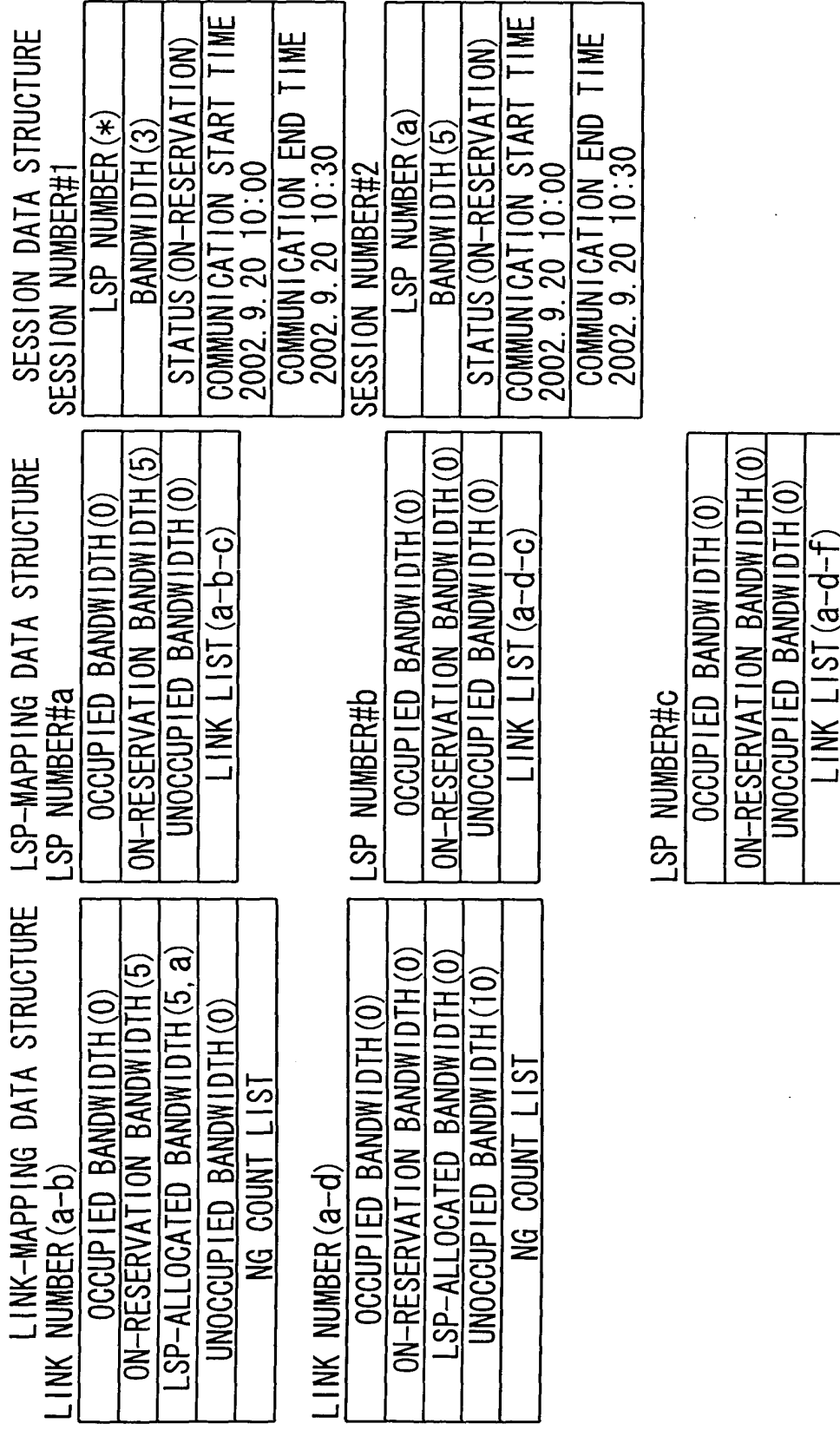


FIG. 18

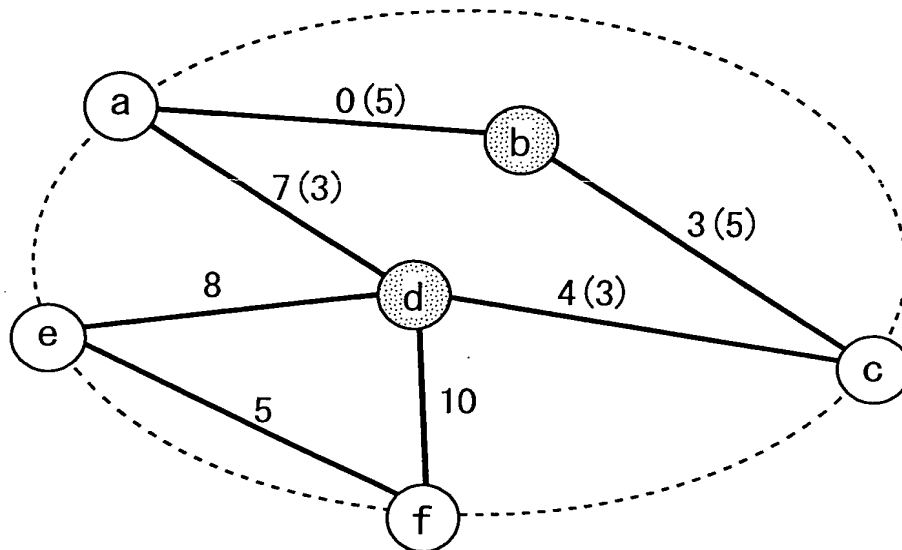


FIG. 19

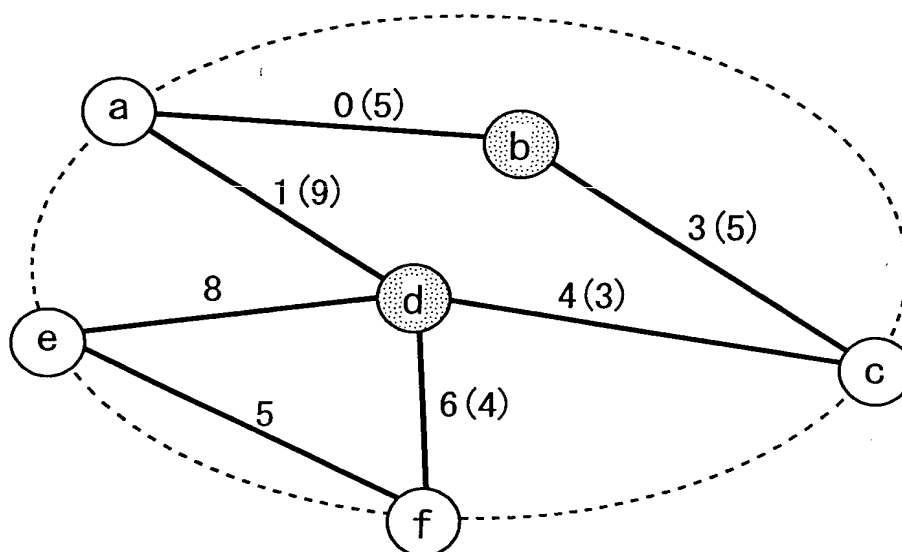


FIG. 20

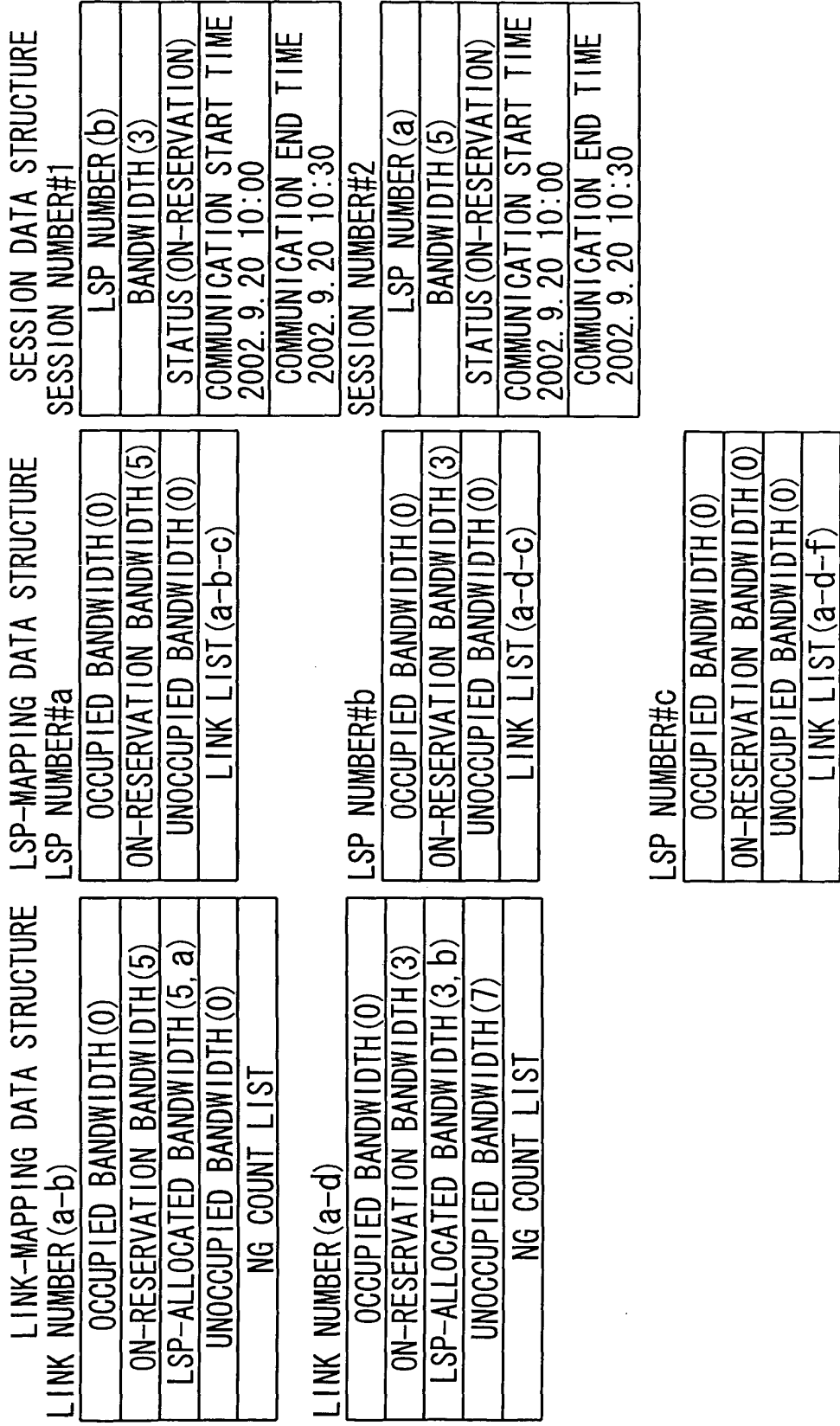


FIG. 21

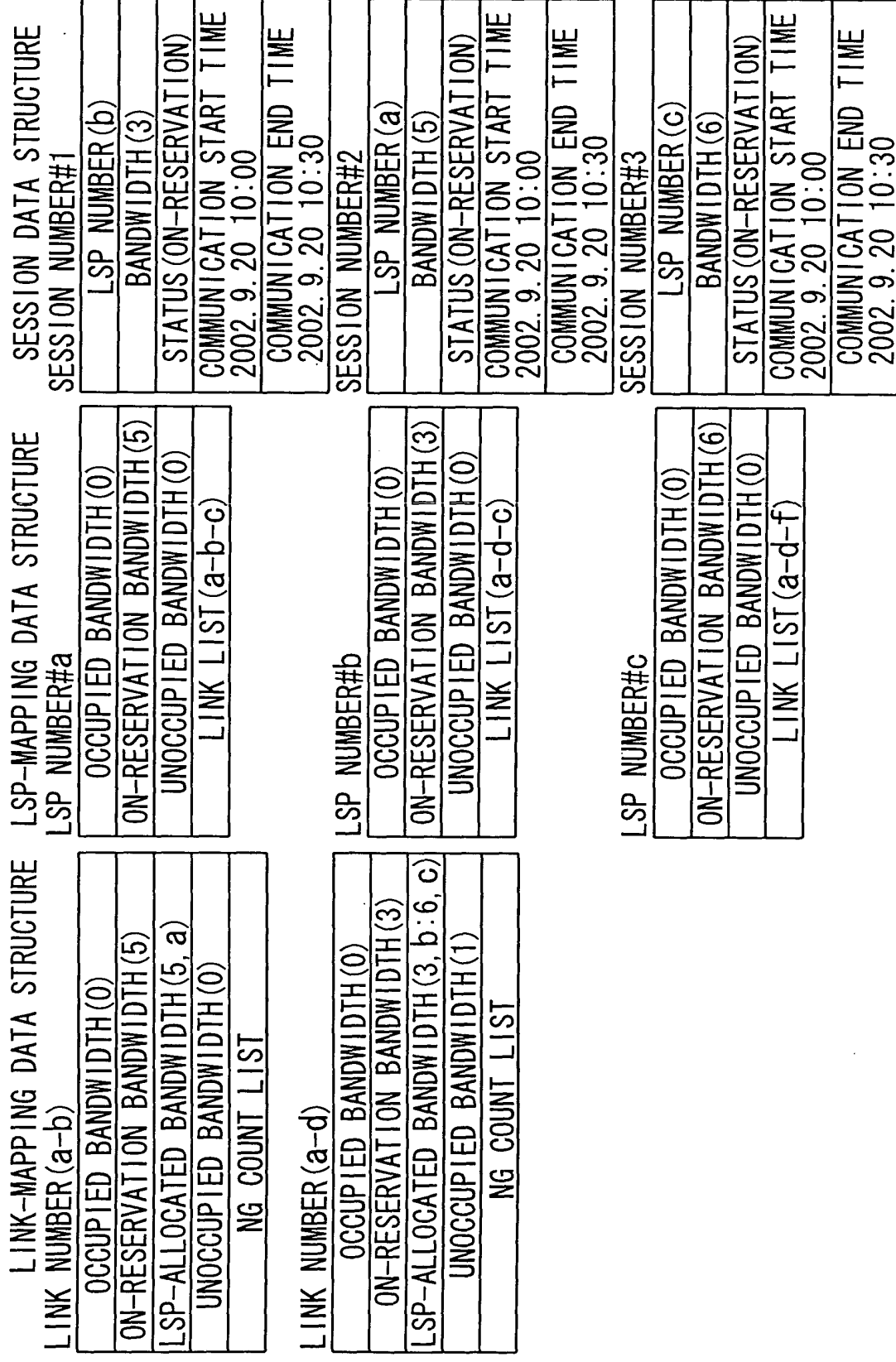


FIG. 22

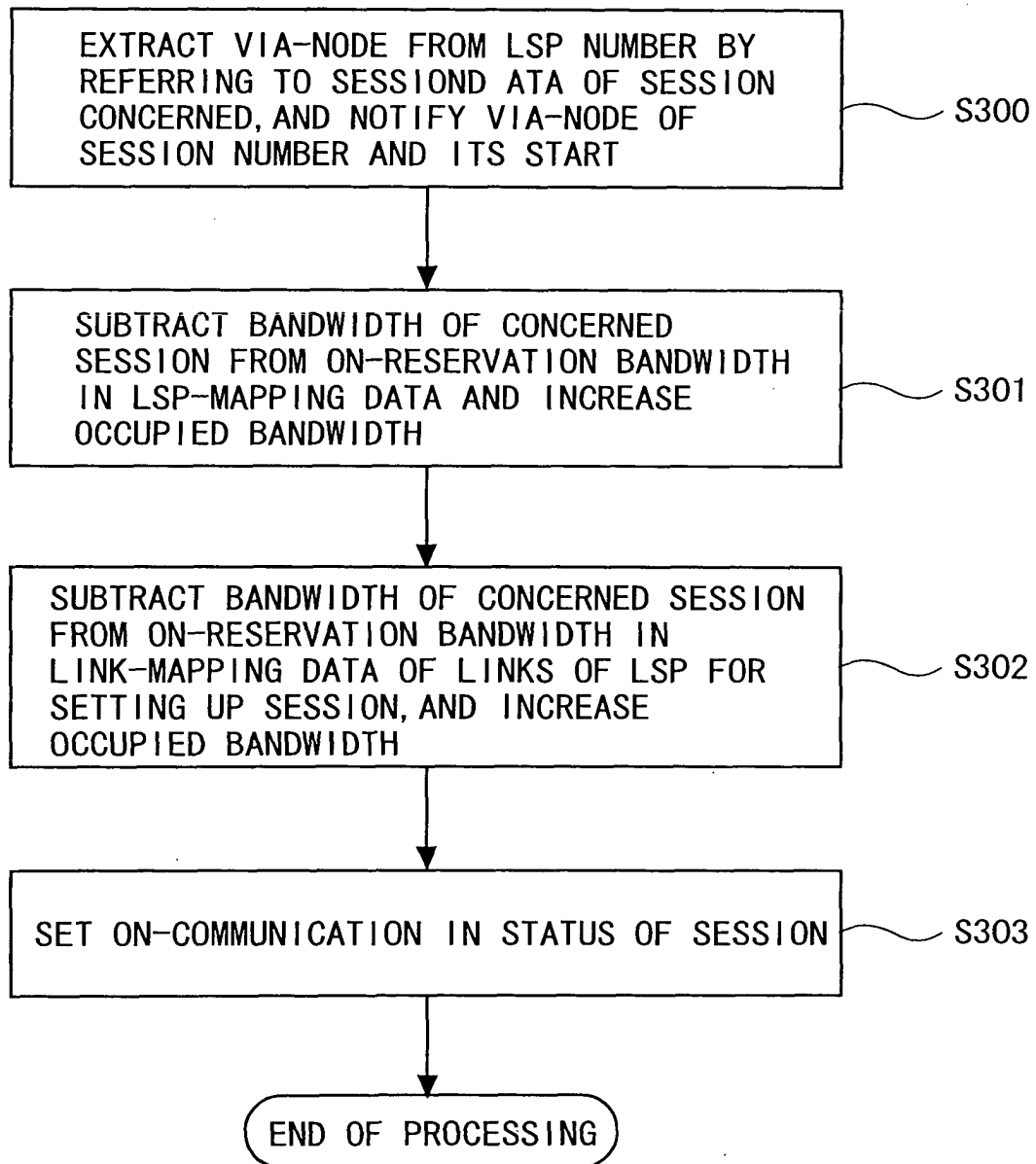


FIG. 23

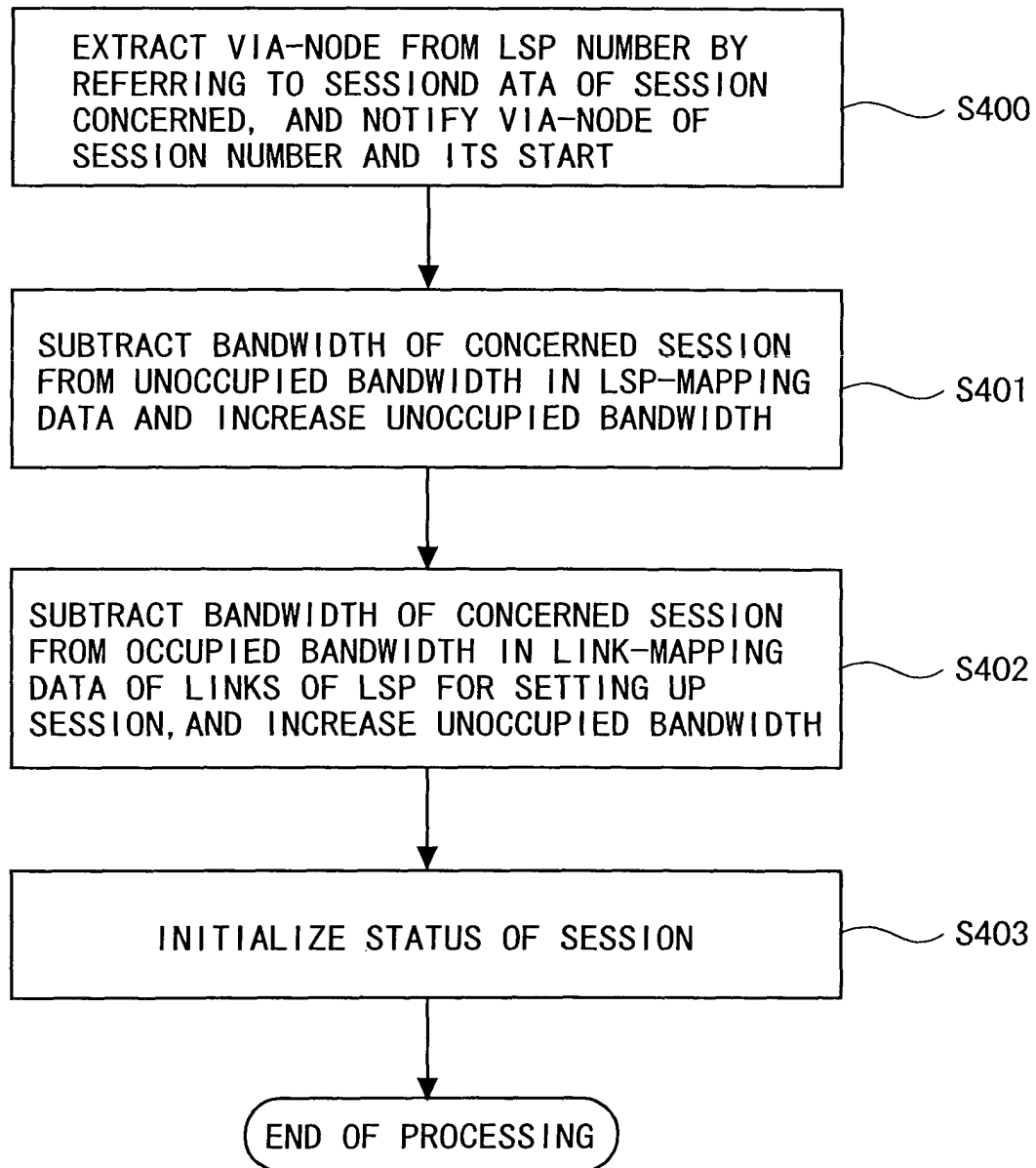


FIG. 24

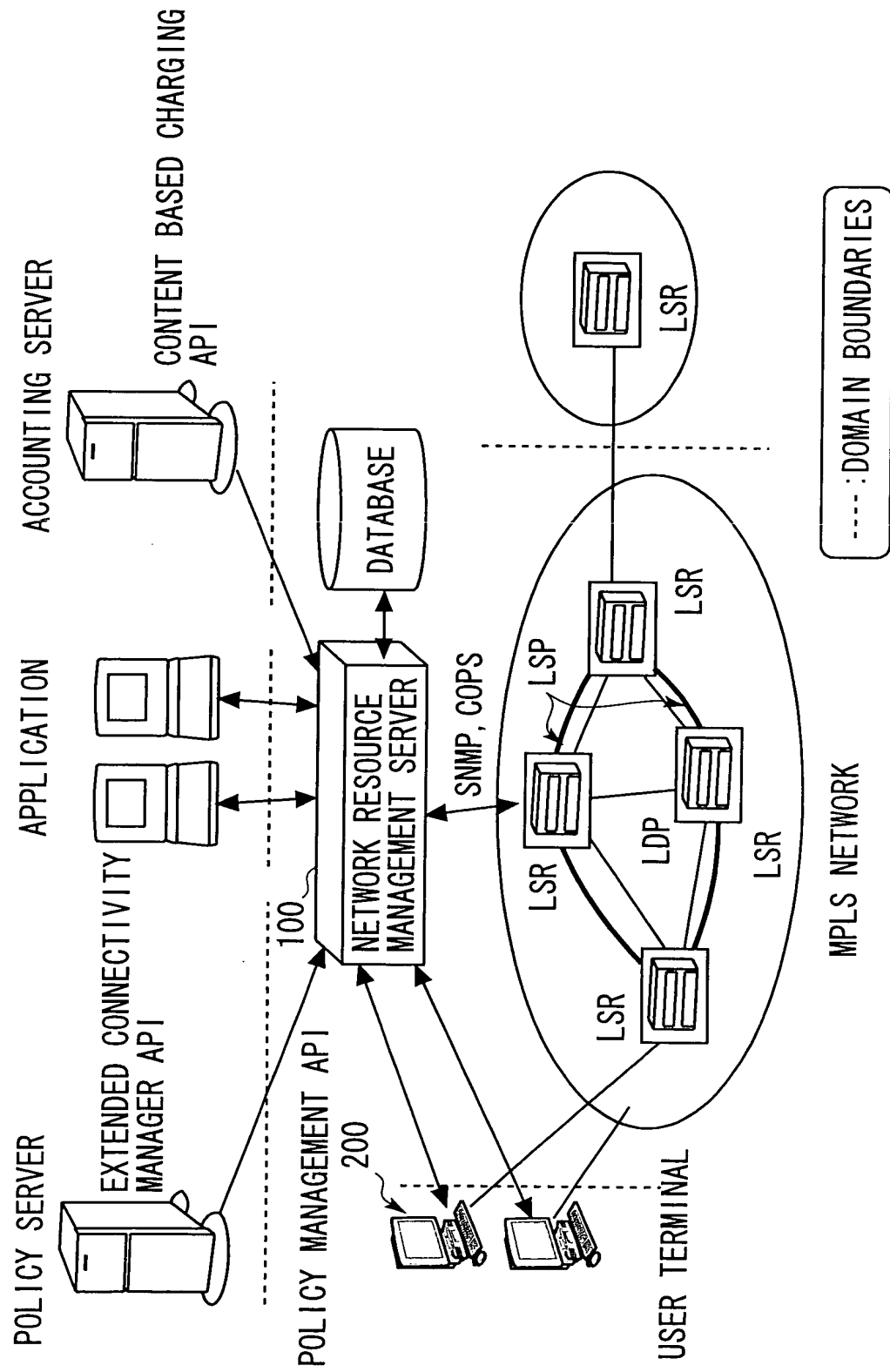


FIG. 25

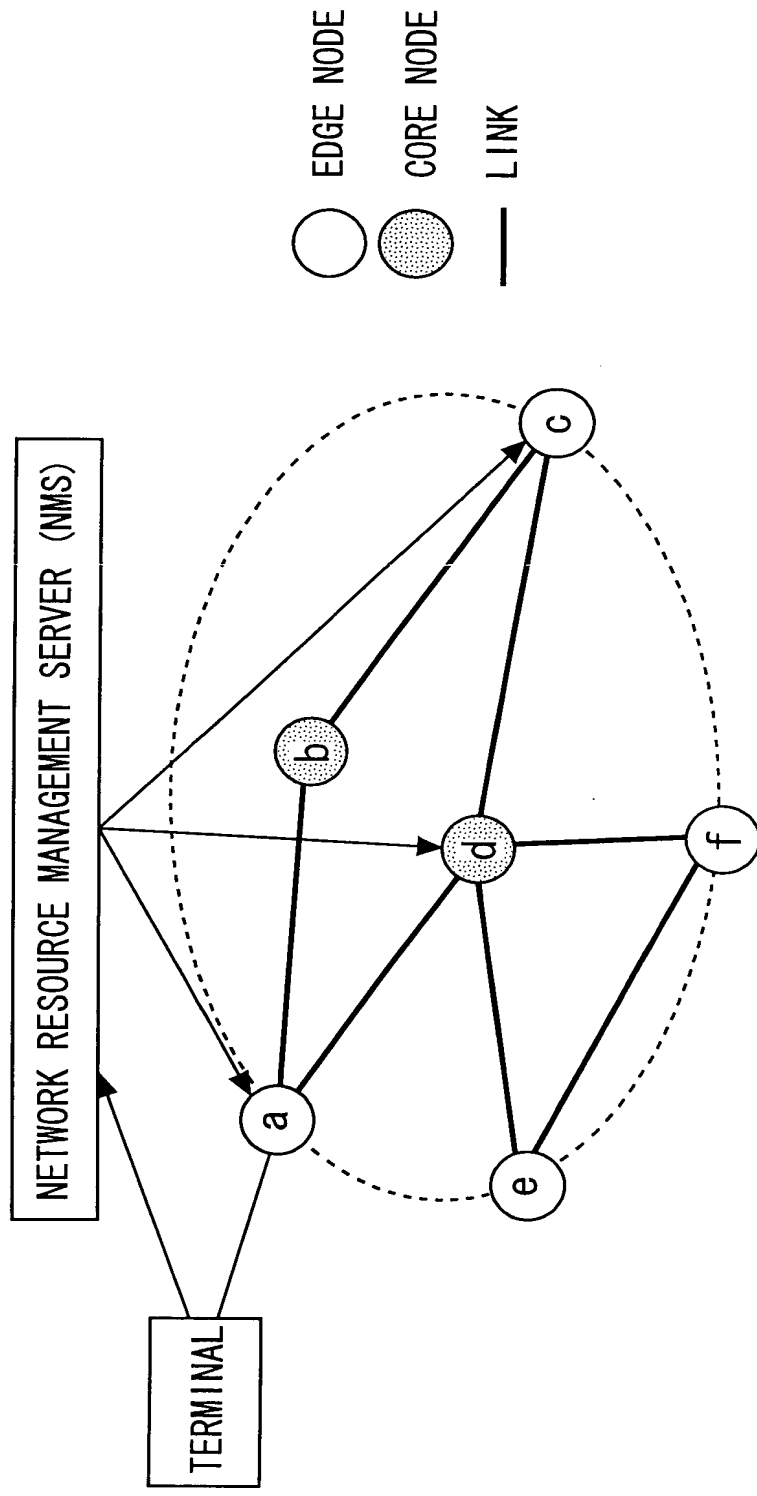
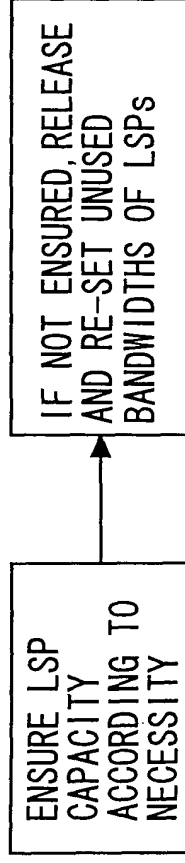


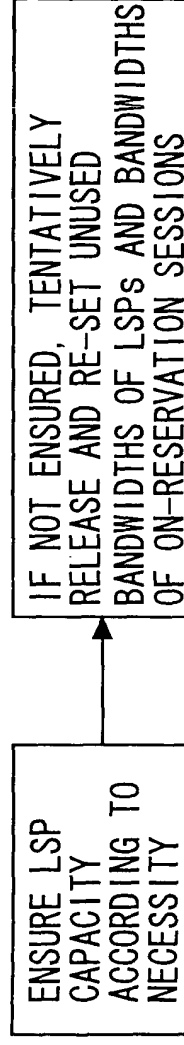
FIG. 26

CONVENTIONAL METHOD



THIS IS EXTENDED UNDER FOLLOWING CONDITIONS.

LSP USED BY ON-COMMUNICATION SESSION CAN NOT BE CHANGED.
 LSP USED BY ON-RESERVATION SESSION CAN NOT BE CHANGED.



INCREASE WEIGHT OF ROUTE WITH BANDWIDTH THAT COULD NOT BE ENSURED BY MINIMUM INTERFERING ALGORITHM WHEN RE-SETTING. PERIODICALLY EXECUTE RE-SETTING.

THIS PROCESS ENABLES BOTH OF MINIMIZATION OF DELAY OF PROCESSING AND PREVENTION OF INCREASE IN PROCESSING LOAD.

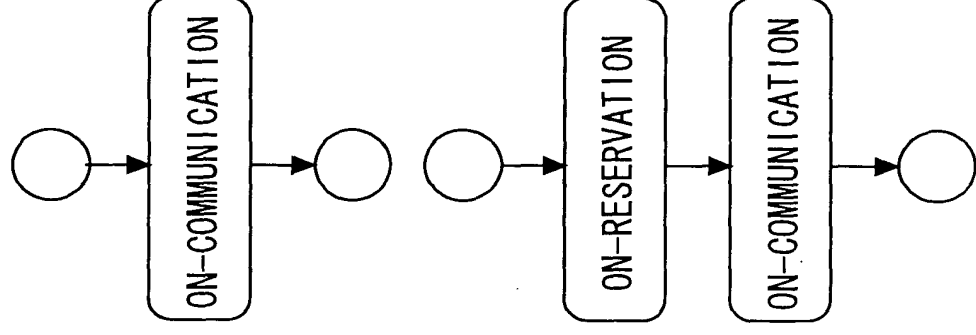
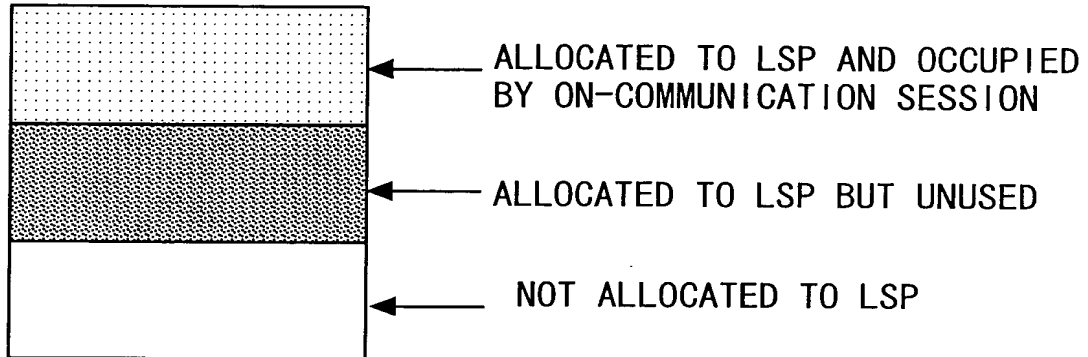
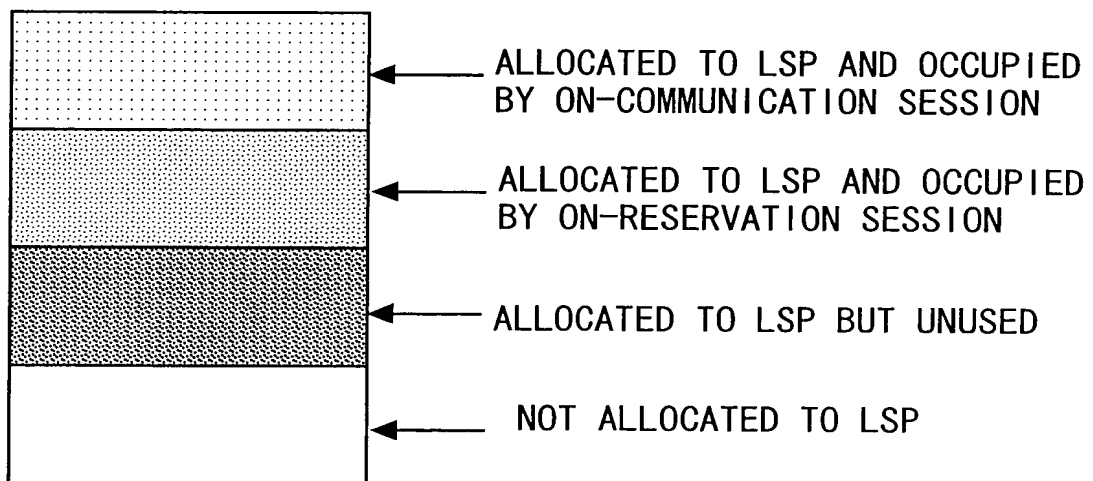


FIG. 27



PRIOR ART



RESERVATION SERVICE TAKEN INTO CONSIDERATION